

The Diffusion Process.

The strongest objection that has yet been raised, by the sugar planters of the Colonies, against the adoption of the diffusion process, to replace the present mode of extraction, is based on the difficulty of making use of the residuum of the cane, for heating the boilers, and batteries, as is done at present with the megass coming from the roller mills. What is to be done with such an incumbustible substance? How is it possible to use as fuel a product which contains from 90 to 92 per cent. of water, and which retains 80 per cent. even after having been subjected to a pressure of twenty atmospheres. This is the problem which had to be dealt with, in the practical application of the diffusion process, and in order to resolve which, numberless experiments have been made.

We are now, we are glad to say, in a position to offer to our sugar planters, a satisfactory solution of the difficulty, and the process which we have perfected and which we now offer to them, is both simple, and inexpensive.

In the first place the sliced canes, are subjected to a pressure of from ten to twenty atmospheres, in order to extract as much of the water as possible. With this mass is then mixed, five per cent. of its own weight of raw petroleum, or any of the heavy luminous oils. The cane residuum so treated, burns freely and gives out a large amount of heat. This mixture should be made as short a time as possible, before the so treated cane, is to be used in the furnaces, a very simple apparatus will serve for this purpose.

We are in a position to assert that by this invention the only serious obstacle in the way of the diffusion process has been removed, and that our planters can now proceed with the transformation of their factories, without any danger of failure.

(From a paper by M. Ladureau, Director of the Central Laboratory of Agriculture, at Paris, published in the *Journal des Fabricants de Sucre*.)

Snake Stories.

"Is the snake editor is?"
"I am he."
"I thought I'd tell you—"
"Certainly, sir, what is it—a serpent or a rattlesnake that barked like a dog and danced to the music of a mouth-organ?"
"Neither, my neighbour, Joshua Riley, was—"

"I know. Mr. Riley was walking across a pasture field, when he was surprised by seeing a monster black snake engaged in ripping a board off the side of a barn, with which to fan itself. Mr. Riley is a man whose word is vouched for by the best citizens of Pike county, and cannot be doubted for an instant. That's it, isn't it?"
"No, not exactly. Mr. Riley—"
"Yes, that's it. Mr. Riley was gathering eggs in his barn, when he discovered a singular looking reptile, spotted yellow and pea-green, which had hatched out a brood of chickens, and was scratching around to find grub for them. That happens every year about this time, but I expected it a day earlier."

"But that isn't—"
"Isn't, eh? Why it must be that Mr. Riley recently killed a large serpent, which he cut open, and found that it had swallowed a circular saw, which was still running, as well as a coil of barbed fence-wire and a set of harrows, which he thought had been stolen from him. In any event, sir, it would be well for Mr. Riley to drink from a hydrant for a while until he can look at a coil of garden hose without thinking he sees it swallow the well-curb and hitching post."

"But—"
"Excuse me, this is my busy day. Tell Mr. Riley not to show up here until he has found a snake that knows the Declaration of Independence by heart, and can drink cold tea through a straw. Good day!"—Exchange.

A Wicked Partner.

"Do you know what is ruining this country?" said Judge Blaker. "I will tell you. It is not overproduction, but it is the dishonesty of the people that destroys public and private confidence. I'll give you an example of dishonesty practised upon me by a party named Jimpleson. He came to my house one day and told me that he had one of the best schemes in the world; said that he had a gold mine not far away, and that if he only had a little gold with which to salt it he could sell the claim for \$100,000. He was so plausible, talked so fairly, that I was completely taken in. I went with him and looked at the mine. I was in need of about \$50,000, so I concluded to let him have the gold. He said that he could take a gold piece, carefully grate it off, and so skillfully imbed in the sand that no one could detect our scheme. 'How much gold will it take?' I asked.
"Oh, about \$300. I can take that amount and make the place worth at least \$150,000 to us."

"I gave the money and he got a grater and went out to the mines. Several days afterward he invited me to come out. He had done his work well. We invited capitalists to come and make us a bid. My partner was not present when an assay was made. Good thing for him that he wasn't. He had salted the mine with copper dust and had kept the gold.
"I have not seen him since. Now, don't you see, I lost confidence in him. He is not an honest man."—*Arizona Tracer*.

Poisoning by Ice-Creams.

The exact nature of the substance which produced the violent symptoms, in some cases fatal, of irritant poisoning in children who have eaten "ice-creams" purchased from the itinerant vendors, appears to be wrapped in mystery. Last year a considerable

number of cases occurred, and the first access of hot weather has furnished a fresh series. Investigation by a competent chemist is urgently called for, though it may be doubted whether any reliable results can be attained unless the police have orders in future to seize the incriminated materials as soon as the first cases occur. The most probable hypothesis is that the ingredients are not good, and have undergone some peculiar decomposition leading to the production of a poison of the nature of a ptomaine, before they are subjected to the freezing process.—*British Medical Journal*.

General Advertisements.

READ THIS!

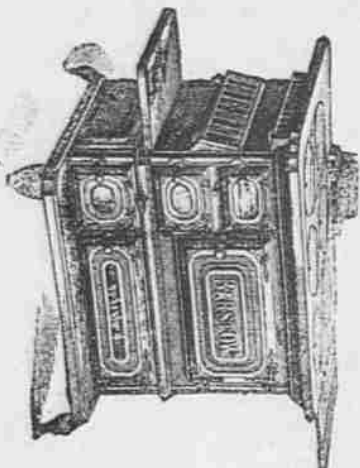
RESSES, E. O. HALL & SON, LIMITED.
Gentlemen—I have ed your 15in. Steel Breakers for seven years, and your 16in. Breakers for a year, and have been well pleased with them. They are good strong Plows and turn the soil better than any other plows I ever used, and I have used a good many since 1882. I have used the 15in. Steel Breaker for several weeks with only five miles, and plowed from one acre and a half to two acres a day. I used the same number of animals for the 15in. as for the 16in. Breakers. I plowed up a grove of sumach roots and lots of grass this year and have broken but one tire and a pair of handles. Every one who has used them on Hawaii has been well pleased with them.

Yours truly,
R. A. LYMAN, Panahan.

The above is but one of many letters we have received from all parts of the Islands, speaking in the highest terms of Hall's Steel Breakers and Plows of all sizes. We have just received, direct from the Moline Plow Co. a large invoice of Plows, making our assortment complete, including Breakers and Plows of all sizes and kinds, Extra Sectors, Bolt Coulters, Handles and Beams. As, during some years, we have been unable to supply the demand for these goods, we desire Planters to send in their orders soon for what they may need for the coming season. The

Hall's Steel Furrow Plow

Has never been equalled; of these we have a few left, of improved make. WE HAVE ALSO



Cook Stoves & Ranges

OF ALL SIZES;
Kitchen and household utensils of all kinds. Paints and Oils of all kinds. Lubricating Oils, best stock in the market. Kerosene Oil, Downer's, Noonday & Lustral. Silver Plated Ware from Reed & Barton. Powders, all kinds, from California Powder Works. Carriage and Machine Bolts, all sizes.

SHELF HARDWARE,

A Splendid Assortment:
Leather Of All Descriptions, And a large list of goods in lump or in bulk Such as CHALK, SALISODA, INSECT POWDER, STALPHUR, WHITING, ALUM, ETC., ETC.

All of which will be sold by the pound or package, at LOWEST MARKET RATES, BY

E. O. HALL & SON,

LIMITED.

CONSOLIDATED!

THE FIRMS OF

Chas. Gray & Co., & T. W. Rawlins

Engaged in the Manufacture of Soap, have consolidated and will hereafter carry on the business under the firm name of

HAWAIIAN

Soap Manufacturing Company

At the premises formerly occupied at Leleco,

KING STREET, HONOLULU.

Honolulu, Oct. 1, 1886. 1138 1y

13th ISSUE!

The Hawaiian Almanac and Annual for 1887 is now in course of Publication.

All Firms, Societies, Departments, or others having corrections to report for the coming issue will please do so at their earliest convenience. Advertisers will please advise concerning changes and space desired. THOS. G. THURM, Publisher. 1138 2m

FOR SALE.

STEEL RAILS!

—WITH—

Fishplates, Bolts and Spikes.

H. HACKFIELD & CO.

1131 3m

A. H. RASEMANN

BOOK BINDER AND

Paper Ruler,

(Formerly in the Gazette Block.)

Notifies his friends and the public generally that he has removed to more spacious premises, DIRECTLY OPPOSITE THE OLD STAND, in the CAMPBELL BLOCK, where he is now prepared to do work in his line. Patronage respectfully solicited. 1134 3m

FINE BOOK AND JOB WORK

at the HAWAIIAN GAZETTE OFFICE.

FOR FINE JOB WORK OF ALL descriptions go to GAZETTE OFFICE

1095 1y

General Advertisements.

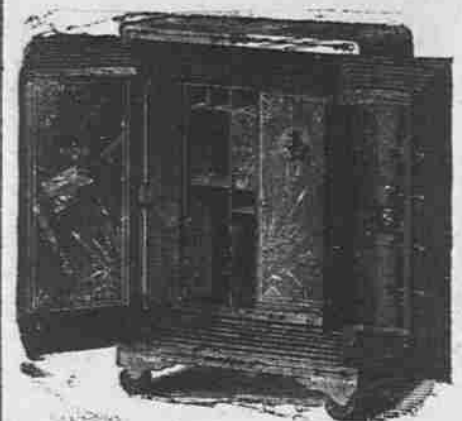
DURING THE GREAT FIRE

—IN HONOLULU, THE—

MACNEALE & URBAN

FIRE - PROOF SAFES!

Stood the test of 63 hours exposure, successfully. The



MACNEALE & URBAN!!

Is the only EIGHT-FLANGE SAFE made in the World. The

Macneale & Urban

SAFE!

Contains more improvements than any Safe ever made. Such as Round Corners. Solid Welded Angle Iron Front and Back, patent inside Bolt-work, Hinged Cap and Four Wheel Combination Lock.

Buffalo Standard Scales

PLATFORM, DORMENT TRACK,

HAY OR COAL SCALES.

With or without Patent Combination Beam. The former dispenses with the use of weights, the weighing being done exclusively with the pointer.

SEND FOR CATALOGUES.

A LARGE STOCK CONSTANTLY ON HAND

C. O. BERGER,

—HONOLULU—

1135 3m General Agent for Hawaiian Island,

LAINE & CO.,

—HAVE A LARGE STOCK OF THE VERY BEST—

Hay, Grain, &c.

—WHICH IS OFFERED AT THE—

Lowest Market Prices

And delivered free to any part of the city.

—AGENTS FOR THE—

Pacific Mutual Life Insurance Co.,

—OF CALIFORNIA—

—AGENTS FOR THE—

"HOOVER TELEPHONE."

COMMISSIONER OF DEEDS

—FOR CALIFORNIA—

TELEPHONE NO. 147. 1134 3m

HAWAIIAN SOAP WORKS!

HAWAIIAN SOAP COMPY.

Manufacturers and Dealers in

ALL KINDS OF SOAPS,

Leleco, King Street, Honolulu.

Beef, Mutton and Goat Tallow wanted. Orders left at Boies & Co's, Queen Street, will meet with prompt attention. 1095 1y

One Experience of Many.

Having experienced a great deal of "Trouble" from indigestion, so much so that I came near losing my Life!

My trouble always came after eating any food—

However light. And digestible.

For two or three hours at a time I had to go through the most Excruciating pains, "And the only way I ever got."

"Relief!" Was by throwing up all my stomach contained! No one can conceive the pains that I had to go through, until

"At last!" I was taken! "So that for three weeks I lay in bed and

Could eat nothing!!! My sufferings were so that I called two doctors to give me something that would stop the pain.

Their efforts were no good to me. At last I heard a good deal "About your Hop Bitters!" And determined to try them."

Got a bottle—in four hours I took the contents of One!!!!

Next day I was out of bed, and have not seen a "Sick!"

Hour, from the same cause, since. I have recommended it to hundreds of others. You have no such "Advocate as I am."

Geo. KENDALL, Allston, Boston, Mass.

Downright Cruelty.

To permit yourself and family to "Suffer" With sickness when it can be prevented and cured so easily With Hop Bitters!!!

Prosecute the Swindlers!!!

If when you call for American Hop Bitters (see green tag of Hop on the white label and Dr. Soule's name blown in the bottle), the vendor hands out anything but American Hop Bitters refuse it and then that vendor as you would a viper; and if he has taken your money for anything else indict him for the fraud and sue him for damages for the swindle, and we will pay you liberally for the conviction.

For Sale by HOLLISTER & CO., No. 109 Fort St. Honolulu. 1095 1y

General Advertisements.

Metropolitan Market

King Street.

G. J. WALLER, Prop.

Choicest Meats

—FROM—

Finest Herds.

FAMILIES AND SHIPPING

SUPPLIED ON SHORT NOTICE

—AND AT THE—

Lowest Market Prices.

All Meats delivered from this Market are thoroughly chilled immediately after killing by means of a Bell-Coleman Patent Dry Air Refrigerator. Meat so treated retains all its juicy properties, and is guaranteed to keep longer after delivery than freshly-killed meat. 1136 3m

W. S. LUCE,

WINE & SPIRIT MERCHANT,

26 MERCHANT STREET,

(CAMPBELL'S BLOCK)

Has on Hand and Offers For Sale

To the Trade and Public, the Best Brands of

Ales, Wines

—AND—

Spirits.

Special attention is drawn to the Celebrated

ALES AND PORTERS OF

E. & J. Burke

McKenna's Kentucky Whiskeys,

—AND—

L. DELMONICO'S CHAMPAGNES.

Orders Filled with Promptness and at the usual Prices for any of the Brands of

GINS, BRANDIES,

WHISKIES, OR BITTERS,

USUALLY OBTAINED IN THIS MARKET.

An experience of several years in the WINE & SPIRIT Business is a guarantee that the interests of customers will be properly served. 1134 3m

BEAVER SALOON

H. J. NOLTE, Proprietor.

Begs to announce to his friends and the public in general

That he has opened the above Saloon where first-class Refreshments

will be served from 3 a. m. till 10 p. m., under the immediate supervision of a Competent Chef de Cuisine.

—THE FINEST GRADES OF—

Tobaccos,

Cigars, Pipes and

Smoker's Sundries

Chosen by a personal selection from first-class manufacturers, has been obtained, and will be added to from time to time.

—One of Brunswick & Balke's—

Celebrated Billiard Tables

Is connected with the establishment, where lovers of the cue can participate. 1134 2m

MRS. THOMAS LACK

No. 79 Fort St., Honolulu.

Importer and Dealer

—IN—

SEWING MACHINES & GENUINE PARTS

—ATTACHMENTS—

OIL AND ACCESSORIES.

—AGENT FOR THE—

White, New Home,

Davis, Crown, Howe, and

Florence Machines,

Howard's Machine Needles

All kinds and sizes;

Corticelli Silk,

In all colors;

CLARK'S MILE END MACHINE COTTON

—AGENT FOR—

Madame Demorest's Reliable Cut Paper Patterns and Publications. Dealer in

Rifles, Pistols, Guns, and Sporting Goods,

Shot, Powder, Caps, & Metallic Cartridges

KEROSENE STOVES!

—IN ALL SIZES.—

Having secured the services of a First-Class Gun and Locksmith and thorough Mechanic, I am now prepared to do work in that line, with promptness and dispatch. Island orders solicited. 1134 1y

Importers of Stock!

TAKE NOTICE THAT THE undersigned are prepared to cover by Insurance FIVE STOCK ON BOARD, by sea or steam, between San Francisco and ports in this Kingdom, AGAINST ALL RISKS, upon reasonable terms. BISHOP & CO. 1134 3m

Honolulu, August 13, 1886.

1137 3m

General Advertisements.

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CALIFORNIA WINES!

The growth and manufacture of Pure Wines in California has surprised the most sanguine. Although small manufacturers, through probable ignorance and carelessness, turn out inferior Wines, it has been the ambition of

Messrs. Arpad Haraszthy & Co.,

To produce Wines that are absolutely Pure, and they are the ONLY HOUSE in California that Manufactures PURE CHAMPAGNES produced by the natural process of fermentation in the Bottle.

The importation of MESSRS. ARPAD HARASZTHY & CO'S Wines into this Kingdom, from October 7th, 1885, to March 31st, 1886, being nearly two-thirds of ALL OTHER MANUFACTURES PUT TOGETHER, is a guaranty of their popularity, and that they are far superior to any Wines manufactured.

Sherry Wine, Port Wine, Tokay Wine,

Zinfandel Claret, Table Claret, Burgundy.

ECLIPSE CHAMPAGNE

Madeira, Sweet Muscat, Angelica,

Malaga, Hock, Gerke, Reisling,

White Wine, Gutedel.

—Also, just arrived direct from Milwaukee, in bond,—

An Invoice of Falk's Milwaukee Pilsener Beer.

HAMILTON JOHNSON, SOLE AGENT,

Merchant Street, - - - - Honolulu.

(1134 1y)



JOHN NOTT,

At the old Stand, No. 8 Kaahumanu Street,

TIN, COPPER AND SHEET IRON WORKER

Plumbing, in all its branches;

—Artesian Well Pipe, all sizes:—

STOVES AND RANGES,

Uncle Sam, Medallion, Richmond, Tip Top, Palace, Flora, May, Contest, Grand Prize, New Rival, Oper, Derby, Wren, Dolly, Gypsy Queen, Pansey, & Army Ranges, Magna Charter, Buck, Superior, Magnet, Osceola, Almeida, Eclipse, Charter Oak, Nimble, Inwood and Laundry Stoves, Galvanized Iron and Copper Boilers for Ranges, Granite Iron Ware, Nickel Plated and Plain.

Galvanized Iron Water Pipe, all sizes.

—AND LAID ON AT LOWEST RATES:—

Cast Iron and Lead Soil Pipe,

House Furnishing Goods,

ALL KINDS.

RUBBER HOSE—ALL SIZES AND GRADES;

Lift and Force Pumps, Cistern Pumps, Galvanized Iron, Sheet Copper, Sheet Lead,

Lead Pipe, Tin Plate, Water Closets, Marble Slabs and Bowls, Enamelled Wash Stands